

Chisheng Wang

List of Publications by Year in descending order

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67
papers

951
citations

430874

18
h-index

501196

28
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70
all docs

70
docs citations

70
times ranked

939
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparison of waveform processing algorithms for single-wavelength LiDAR bathymetry. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 101, 22-35.	11.1	97
2	An Improved Method for Power-Line Reconstruction from Point Cloud Data. Remote Sensing, 2016, 8, 36.	4.0	88
3	A random forest classifier based on pixel comparison features for urban LiDAR data. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 148, 75-86.	11.1	45
4	Slip distribution of the 2008 Wenchuan Ms 7.9 earthquake by joint inversion from GPS and InSAR measurements: a resolution test study. Geophysical Journal International, 2011, 186, 207-220.	2.4	41
5	Anatomy of Subsidence in Tianjin from Time Series InSAR. Remote Sensing, 2016, 8, 266.	4.0	33
6	Land Subsidence over Oilfields in the Yellow River Delta. Remote Sensing, 2015, 7, 1540-1564.	4.0	29
7	Time-Series Analysis on Persistent Scatter-Interferometric Synthetic Aperture Radar (PS-InSAR) Derived Displacements of the Hong Kong-Zhuhai-Macao Bridge (HZMB) from Sentinel-1A Observations. Remote Sensing, 2021, 13, 546.	4.0	29
8	Resolving Surface Displacements in Shenzhen of China from Time Series InSAR. Remote Sensing, 2018, 10, 1162.	4.0	26
9	A bridge-tailored multi-temporal DInSAR approach for remote exploration of deformation characteristics and mechanisms of complexly structured bridges. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 156, 27-50.	11.1	26
10	Elastic block and strain modeling of GPS data around the Haiyuan-Liupanshan fault, northeastern Tibetan Plateau. Journal of Asian Earth Sciences, 2017, 150, 87-97.	2.3	25
11	InSAR Coherence Estimation for Small Data Sets and Its Impact on Temporal Decorrelation Extraction. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 6584-6596.	6.3	24
12	An Effective Method for Submarine Buried Pipeline Detection via Multi-Sensor Data Fusion. IEEE Access, 2019, 7, 125300-125309.	4.2	23
13	Characteristics of the Seismogenic Faults in the 2018 Lombok, Indonesia, Earthquake Sequence as Revealed by Inversion of InSAR Measurements. Seismological Research Letters, 2020, 91, 733-744.	1.9	23
14	Slip distribution of the 2011 Tohoku earthquake derived from joint inversion of GPS, InSAR and seafloor GPS/acoustic measurements. Journal of Asian Earth Sciences, 2012, 57, 128-136.	2.3	22
15	A method of establishing an instantaneous water level model for tide correction. Ocean Engineering, 2019, 171, 324-331.	4.3	21
16	Development of a single-wavelength airborne bathymetric LiDAR: System design and data processing. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 185, 62-84.	11.1	20
17	Source characteristics of the Yutian earthquake in 2008 from inversion of the co-seismic deformation field mapped by InSAR. Journal of Asian Earth Sciences, 2011, 40, 935-942.	2.3	19
18	A Stochastic Geometry Method for Pylon Reconstruction from Airborne LiDAR Data. Remote Sensing, 2016, 8, 243.	4.0	19

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19	A New Likelihood Function for Consistent Phase Series Estimation in Distributed Scatterer Interferometry. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	19
20	The Improvement for Baran Phase Filter Derived From Unbiased InSAR Coherence. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 3002-3010.	4.9	18
21	The 2020 Mw 6.0 Jiashi Earthquake: A Fold Earthquake Event in the Southern Tian Shan, Northwest China. Seismological Research Letters, 2021, 92, 859-869.	1.9	18
22	Coseismic and postseismic slip models of the 2011 Van earthquake, Turkey, from InSAR, offset-tracking, MAI, and GPS observations. Journal of Geodynamics, 2015, 91, 39-50.	1.6	16
23	An Improved Quadrilateral Fitting Algorithm for the Water Column Contribution in Airborne Bathymetric Lidar Waveforms. Sensors, 2018, 18, 552.	3.8	16
24	Equation-Based InSAR Data Quadtree Downsampling for Earthquake Slip Distribution Inversion. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 2060-2064.	3.1	15
25	Mitigating Ionospheric Artifacts in Coseismic Interferogram Based on Offset Field Derived From ALOS-PALSAR Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 3050-3059.	4.9	15
26	A New Baseline Linear Combination Algorithm for Generating Urban Digital Elevation Models With Multitemporal InSAR Observations. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1120-1133.	6.3	14
27	Using finite element and Okada models to invert coseismic slip of the 2008 Mw 7.2 Yutian earthquake, China, from InSAR data. Journal of Seismology, 2013, 17, 347-360.	1.3	13
28	Formation of the 2015 Shenzhen landslide as observed by SAR shape-from-shading. Scientific Reports, 2017, 7, 43351.	3.3	13
29	Correction of Ionospheric Artifacts in SAR Data: Application to Fault Slip Inversion of 2009 Southern Sumatra Earthquake. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1327-1331.	3.1	13
30	Errors of Airborne Bathymetry LiDAR Detection Caused by Ocean Waves and Dimension-Based Laser Incidence Correction. Remote Sensing, 2021, 13, 1750.	4.0	13
31	Differential Interferometric Synthetic Aperture Radar data for more accurate earthquake catalogs. Remote Sensing of Environment, 2021, 266, 112690.	11.0	13
32	A structure knowledge-synthetic aperture radar interferometry integration method for high-precision deformation monitoring and risk identification of sea-crossing bridges. International Journal of Applied Earth Observation and Geoinformation, 2021, 103, 102476.	2.8	12
33	Detecting the Deformation Anomalies Induced by Underground Construction Using Multiplatform MT-InSAR: A Case Study in To Kwa Wan Station, Hong Kong. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 9803-9814.	4.9	10
34	Use of Multiplatform SAR Imagery in Mining Deformation Monitoring with Dense Vegetation Coverage: A Case Study in the Fengfeng Mining Area, China. Remote Sensing, 2021, 13, 3091.	4.0	10
35	Optimal sensor configuration for positioning seafloor geodetic node. Ocean Engineering, 2017, 142, 1-9.	4.3	9
36	Improved DEM Reconstruction Method Based on Multibaseline InSAR. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	8

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37	Adaptive regularization of earthquake slip distribution inversion. <i>Tectonophysics</i> , 2016, 675, 181-195.	2.2	7
38	A Triangular Prism Spatial Interpolation Method for Mapping Geological Property Fields. <i>ISPRS International Journal of Geo-Information</i> , 2017, 6, 241.	2.9	7
39	Volunteered remote sensing data generation with air passengers as sensors. <i>International Journal of Digital Earth</i> , 2021, 14, 158-180.	3.9	7
40	Disaster Chain Analysis of Landfill Landslide: Scenario Simulation and Chain-Cutting Modeling. <i>Sustainability</i> , 2021, 13, 5032.	3.2	7
41	High-Spatial-Resolution Nighttime Light Dataset Acquisition Based on Volunteered Passenger Aircraft Remote Sensing. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-17.	6.3	7
42	Emergency Response Using Volunteered Passenger Aircraft Remote Sensing Data: A Case Study on Flood Damage Mapping. <i>Sensors</i> , 2019, 19, 4163.	3.8	6
43	Visual analytics of aftershock point cloud data in complex fault systems. <i>Solid Earth</i> , 2019, 10, 1397-1407.	2.8	5
44	A Heterogeneous Access Metamodel for Efficient IoT Remote Sensing Observation Management: Taking Precision Agriculture as an Example. <i>IEEE Internet of Things Journal</i> , 2022, 9, 8616-8632.	8.7	5
45	Impact of ionosphere on InSAR observation and coseismic slip inversion: Improved slip model for the 2010 Maule, Chile, earthquake. <i>Remote Sensing of Environment</i> , 2021, 267, 112733.	11.0	5
46	A review of methods for mitigating ionospheric artifacts in differential SAR interferometry. <i>Geodesy and Geodynamics</i> , 2022, 13, 160-169.	2.2	5
47	Using an Integer Least Squares Estimator to Connect Isolated InSAR Fringes in Earthquake Slip Inversion. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 2899-2910.	6.3	4
48	Three-dimensional fault geometry and kinematics of the 2008 M 7.1 Yutian earthquake revealed by very-high resolution satellite stereo imagery. <i>Remote Sensing of Environment</i> , 2019, 232, 111300.	11.0	4
49	A Novel Effective Indicator of Weighted Inter-City Human Mobility Networks to Estimate Economic Development. <i>Sustainability</i> , 2019, 11, 6348.	3.2	4
50	Coseismic Deformation Field Extraction and Fault Slip Inversion of the 2021 Yangbi MW 6.1 Earthquake, Yunnan Province, Based on Time-Series InSAR. <i>Remote Sensing</i> , 2022, 14, 1017.	4.0	4
51	Coseismic slip inversion based on InSAR arc measurements. <i>Natural Hazards and Earth System Sciences</i> , 2014, 14, 649-656.	3.6	2
52	Multi-granularity hybrid parallel network simplex algorithm for minimum-cost flow problems. <i>Journal of Supercomputing</i> , 2020, 76, 9800-9826.	3.6	2
53	A heterogeneous key performance indicator metadata model for air quality monitoring in sustainable cities. <i>Environmental Modelling and Software</i> , 2021, 136, 104955.	4.5	2
54	Phase unmixing of TerraSAR-X staring spotlight interferograms in building scale for PS height and deformation. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021, 180, 14-28.	11.1	2

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55	Framework to Create Cloud-Free Remote Sensing Data Using Passenger Aircraft as the Platform. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 6923-6936.	4.9	2
56	InSAR Crowdsourcing Annotation System With Volunteers Uploaded Photographs: Toward a Hazard Alerting System. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	2
57	Correlation Analysis Between Nighttime Light Data and Socioeconomic Factors on Fine Scales. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	2
58	Finite element method to invert coseismic slip of Yutian earthquake from InSAR. Proceedings of SPIE, 2009, , .	0.8	1
59	Supervised Optimal Scale Parameter Estimation for Multiscale Object-Based Landcover Classification. , 2019, , .		1
60	Trajectory Driftâ€“Compensated Solution of a Stereo RGB-D Mapping System. Photogrammetric Engineering and Remote Sensing, 2020, 86, 359-372.	0.6	1
61	A Classification Method of Land Cover Based on Support Vector Machines. Lecture Notes in Computer Science, 2020, , 48-54.	1.3	1
62	Rupture Models of the 2016 Central Italy Earthquake Sequence from Joint Inversion of Strong-Motion and InSAR Datasets: Implications for Fault Behavior. Remote Sensing, 2022, 14, 1819.	4.0	1
63	Application of IPTA to measurement of surface deformation across the Haiyuan fault. Proceedings of SPIE, 2009, , .	0.8	0
64	ALOS-2 Observations of Subsidence in Shenzhen. , 2019, , .		0
65	A New Algorithm for Retrieving Diffuse Attenuation Coefficient Based on Big LiDAR Bathymetry Data. Lecture Notes in Computer Science, 2019, , 133-142.	1.3	0
66	Dynamic earth observation based on an urban skyline: A new remote sensing approach for urban emergency response. Zhongguo Kexue Jishu Kexue/Scientia Sinica Technologica, 2021, 51, 78-88.	0.5	0
67	VOLUNTEERED REMOTE SENSING USING HANDHELD CAMERAS IN A PASSENGER AIRCRAFT. , 2020, , .		0